



Product Change Notification

Product Change Notification Number: SC040401A (REVISED)

Date: February 4, 2004

Title: AT25F512 DIE SHRINK

Product Identification:

All Packages, Industrial Temperatures (-40 to 85C), and Voltages of the AT25F512.

Reason for Change:

- | | | |
|---|---|------------------------------------|
| <input type="checkbox"/> Design | <input checked="" type="checkbox"/> Processing | <input type="checkbox"/> Logistics |
| <input type="checkbox"/> Manufacturing Location | <input type="checkbox"/> Quality/Reliability | <input type="checkbox"/> Material |

Change Description:

Atmel has performed a die size reduction of the AT25F512 in the Industrial Temperature (-40 to 85C). The new version device will be manufactured utilizing the 39k (.25u) process versus the 37k (.35u) process for the current AT25F512. The 39k process is a fully stable and mature process. There has been a change in the way we offer the shrink version, a NEW part number will be created by adding an "A" to the suffix of the part identifier for the shrink: AT25F512A. The AT25F512A is pin to pin compatible with the current SPI FLASH 512K, AT25F512 devices. **To improve programming time, the new shrink will have 2 sectors of 128 bytes per page compared to 256 bytes pages per sector in the previous version. In addition, to accommodate the growing movement to Lead-Free products, the new shrink will ONLY be available in Lead-Free / Halogen-Free.**

Identification Method to Distinguish Change:

There will be a NEW part number created by adding an "A" to the suffix of the part identifier for the shrink: AT25F512A.

Qualification Data:

- | | | |
|------------------------------------|--|---|
| <input type="checkbox"/> available | <input checked="" type="checkbox"/> will be available in May 04 | <input type="checkbox"/> not applicable |
|------------------------------------|--|---|

Samples:

- | | | |
|------------------------------------|--|---|
| <input type="checkbox"/> available | <input checked="" type="checkbox"/> will be available in April 04 | <input type="checkbox"/> not applicable |
|------------------------------------|--|---|

PPAP Notification:

- | | |
|-----------------------------------|--|
| <input type="checkbox"/> required | <input checked="" type="checkbox"/> not applicable |
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Quantifiable Impact on Quality & Reliability:

The new devices are a form, fit and function equivalent of the current devices, which meet all databook specifications.

Estimated Implementation Date*:

May 4, 2004

Last Time Buy Date:

August 2, 2004

Last Ship Date:

December 31, 2004

*The Estimated Implementation Date is the forecasted date that a customer may expect to receive changed product. This is determined by the estimated date of inventory depletion on the PCN issue date. This may be affected by fluctuations in supply and demand. Consequently, although customers should be prepared to receive changed product on this date, Atmel will continue to ship pre-changed product until a time in which inventory has been depleted. This may result in pre-changed product being shipped to customers after this forecasted date.

Atmel Contact: pcnadm@atmel.com

Atmel will deem this change accepted unless specific conditions of acceptance are provided in writing within 30 days from the date of this notice. All correspondence must be sent to the Quality Contact e-mail address listed above.

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